

IN THE CLAIMS:

1-5. (Canceled)

6. (Previously Presented) An endoscope according to Claim 7, wherein the outside of the field of view is one in the top direction of the screen of the endoscope image.

7. (Currently Amended) An endoscope apparatus comprising:
an insertion portion having first and second channels arranged therein and terminating at first and second openings, respectively, at a distal portion of the insertion portion;

an observation optical system for capturing an observation image, which is arranged to the insertion portion;

a first treatment-tool oscillating base which guides, in a first direction, a first treatment-tool guided inserted via the first channel arranged to the insertion portion, a range of oscillation of the first treatment-tool by the first treatment-tool oscillating base being provided set so as to cause a distal end of the first treatment-tool to be selectively positioned inside or outside the observation image, at a predetermined projecting length for the first treatment-tool to approach an object on the observation image be rotatable in the first opening corresponding to the first channel at a projecting side of the first treatment tool; and

a second treatment-tool oscillating base which guides, in a second direction, a second treatment-tool guided inserted via the second channel arranged in the insertion portion, a range of oscillation of the second treatment-tool by the second treatment-tool oscillating base being provided set so as to cause a distal end of the second treatment-tool to be positioned inside the observation image, at a projecting length of the second treatment tool which is approximately the same as the predetermined projecting length of the first treatment-

tool be rotatable in the second opening corresponding to the second channel at the projecting side of the second treatment tool;

wherein the end of at least one of the first and second treatment tools guided by the first and second treatment tool oscillating bases is guided to the outside of a field of view from the inside of an endoscope image based on an optical image obtained by the observation optical system;

a screen size in the guiding direction of the treatment tool guided to the outside of the field of view from the inside is set to have a shorter side, or to be shorter, as compared with a screen size in the guiding direction of the treatment tool guided within the inside range of the field of view; and

a screen size has a length in the horizontal direction longer than that in the vertical direction, the end of the first treatment tool is guidable in the vertical direction on the side of the shorter side from the inside to outside of the field of view or from the outside to inside of the field of view, and the end of the second treatment tool is guidable in the horizontal direction on the side of the longer side in the range of the field of view.

8. (Canceled)

9. (Currently Amended) An endoscope according to Claim 7, wherein the first and second treatment-tool oscillating bases are rotatably provided in respective openings of the first and second channels, respectively a projecting distance L from an edge surface is approximately 10 mm or more upon moving, to the outside of the field of view, the edge of the first treatment tool guidable from the inside to outside of the field of view or from the outside to inside of the field of view, guided to the outside of the field of view.

10. (Currently Amended) An endoscope apparatus comprising: according to claim 9, further comprising a display apparatus which displays the observation image, wherein the observation image displayed by the display apparatus has a screen size with a length in the horizontal direction longer than that in the vertical direction.

an observation optical system which is arranged to an inserting portion;

a first treatment tool oscillating base which guides, in a first direction, a first treatment tool guided via a first channel arranged to the inserting portion; and

a second treatment tool oscillating base which guides, in a second direction, a second treatment tool guided via a second channel arranged to the inserting portion,

wherein the end of at least one of the first and second treatment tools guided by the first and second treatment tool oscillating bases is guided to the outside of a field of view from the inside of an endoscope image based on an optical image obtained by the observation optical system,

a screen size in the guiding direction of the treatment tool guided to the outside of the field of view from the inside is set to have a shorter side, or to be shorter, as compared with a screen size in the guiding direction of the treatment tool guided within the inside range of the field of view, and

a screen size has a length in the horizontal direction longer than that in the vertical direction, the end of the first treatment tool is guidable in the vertical direction on the side of the shorter side from the inside to outside of the field of view or from the outside to inside of the field of view, and the end of the second treatment tool is guidable in the horizontal direction on the side of the longer side in the range of the field of view.

11. (New) A method for guiding a treatment tool in an endoscope apparatus in which first and second treatment tools to be respectively guided via first and second channels disposed in an inserting portion approach a same object by an approximately same projecting length, and an observation image of the object is observed through an observation optical system disposed in the insertion portion, the method comprising:

guiding the first and second treatment tools to be respectively guided via the first and second channels disposed in the inserting portion in first and second directions by using first and second treatment-tool oscillating bases, respectively;

setting a distal end of the first treatment tool to be selectively positioned inside or outside the observation image, at a predetermined projecting length for the first treatment tool to approach an object on the observation image by the first treatment-tool oscillating base; and

setting a distal end of the second treatment tool to be in a range to be positioned inside the observation image by the second treatment-tool oscillating base, at a projecting length of the second treatment tool by the second treatment-tool oscillating base which is approximately the same as the predetermined projecting length of the first treatment tool.

12. (New) A guiding method according to claim 11, wherein the first and second treatment-tool oscillating bases are rotatable in respective openings of the first and second channels, respectively.

13. (New) A guiding method according to claim 12, further comprising providing a display apparatus which displays the observation image, wherein the observation

image displayed by the display apparatus has a screen size with a length in the horizontal direction longer than that in the vertical direction.